

390802-84

was at 9:00 P.M. which revealed three *Microtus*. There appeared to be no activity after the moon rose. Had supper and retired for a busy today tomorrow. Trap had to be wired and numbered to make trap sets complete.

8-3-39 Station 1, West Canyon.

Awakened early today after a night of sleep adjustment. Found that one cannot endure the rolls and hump of a tent that is carelessly thrown down as a mattress. Tomorrow night will find a new arrangement for bed. At 8:00 A.M. after breakfast examined research area A-8-2-39 and found 15 *Microtus*. Cannot help feel that these, however were caught earlier this morning and will not represent the night activity. It is possible that these *Microtus* feed in the morning, a little in the daytime and again towards evening. Not at night time to any extent. An examination of the trap line at 6:00 A.M. would have been valuable in determining the time when these 15 mammals above were captured. These animals normally would be given field numbers on the spot but due to the fact that their exact position in area was not desired they were taken into camp and there given their numbers. Camp is located about 350 feet up Canyon from this research area. While at camp observed a *Citellus v. utah* sunning on a log at 12:00 A.M. Checked on temperature of direct rays on the spot where *Citellus* had been lying was now excess of  $112^{\circ}\text{F}$ . The temperature in the same adjacent area at the same time but in the shade was  $84^{\circ}\text{F}$ . Have reorganized the notes of the day relative to the mammals, <sup>(*Microtus*)</sup> captured in the research area no. A-8-2-39. Their composite listing <sup>after 9:00 A.M.</sup> is:

all of the 8-3-39

3	between	9:00 A.M.	and	11:00 A.M.
4	between	11:00 A.M.	and	12:00 A.M.
1	between	12:00 A.M.	and	1:00 P.M.
0	between	1:00 A.M.	and	2:00 P.M.
2	between	2:00 P.M.	and	3:00 P.M.
2	between	3:00 P.M.	and	4:00 P.M.
1	between	4:00 P.M.	and	5:00 P.M. (5:45 P.M. sun off area.)
3	between	6:00 P.M.	and	7:00 P.M.
1	between	7:00 P.M.	and	8:00 P.M. (this one captured at exactly 7:30 P.M.)

at 2:00 P.M. I walked through the adjacent area to experiment area and observed many *Microtus* running through the grass & weeds while the record at the experimental area itself revealed that no mammal activity present, at least in traps. At 7:00 P.M. found that adjacent to research